Developing MOOC artificial intelligence tutor based on machine learning

Abstract

Learners on Massive Open Online Course come from everywhere, yet a huge gap in different prior knowledge. In our research, a system to assist learners in finding learning difficulties has been developed. It's an artificial intelligence tutor based on machine learning. Learning mastery contributed from watching videos and answering exercises can be evaluated through the calculation of the Multilayer perceptron to obtain the value of the mastery of the knowledge node.

Keywords: Massive Open Online Course, Machine Learning, Learning Mastery, Multilayer perceptron.